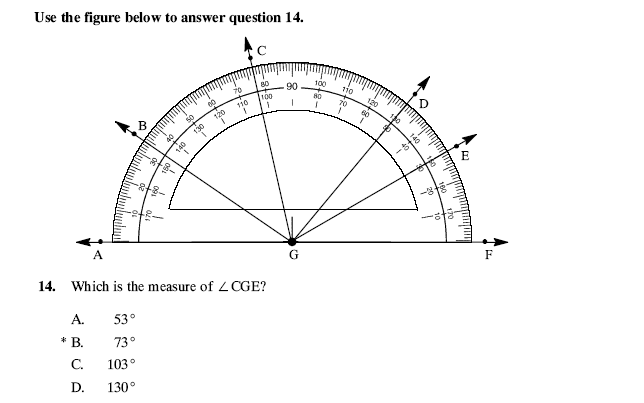
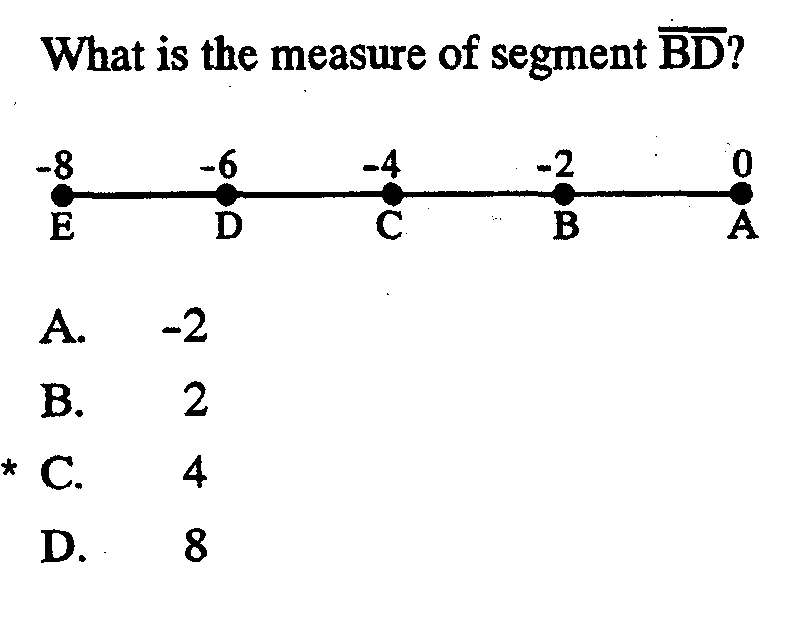
Study Guide for Chapter 1 Test

1. Measuring angles with a protractor



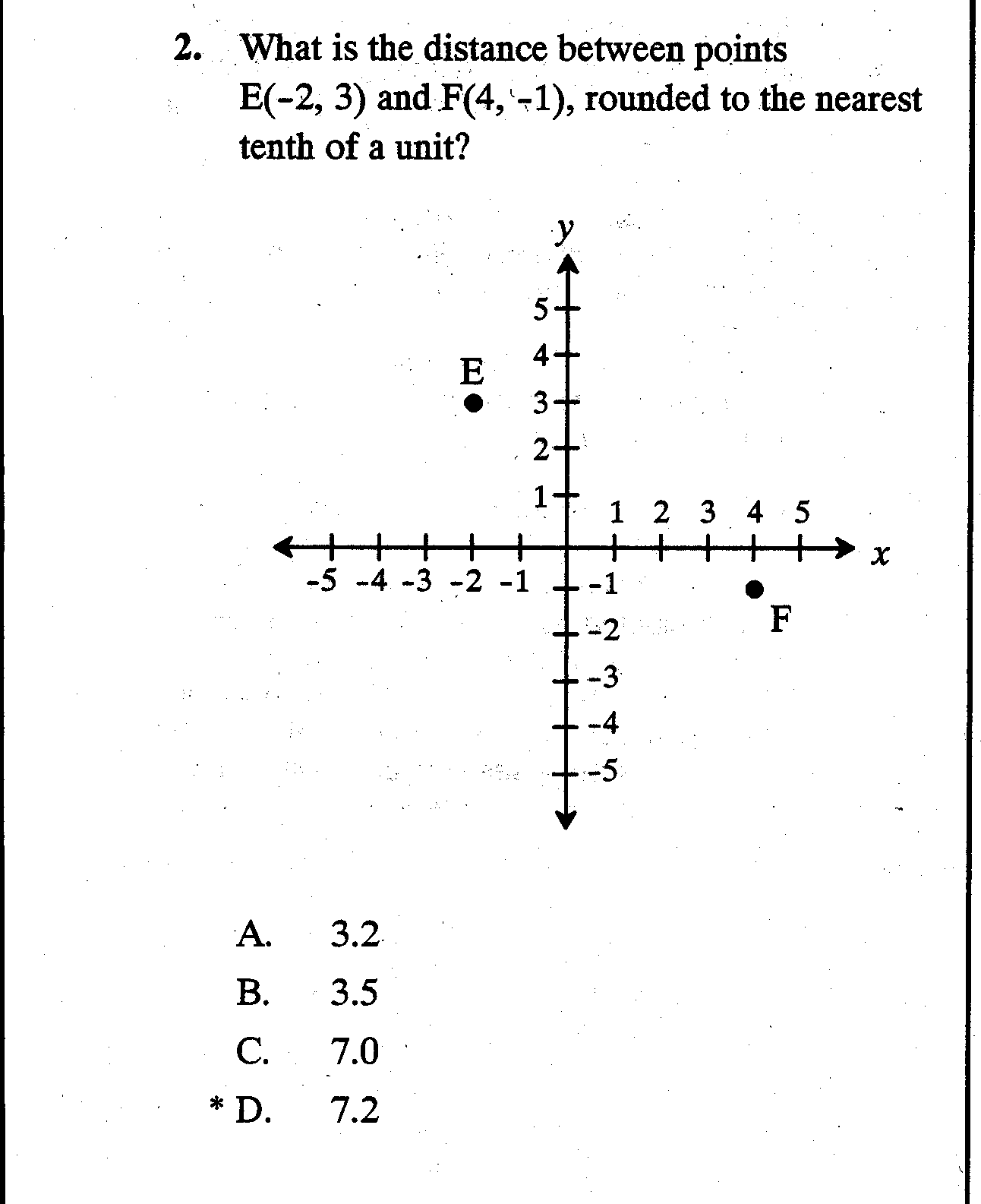
What is the measure of <BGE?

1. Measure distance on the number line



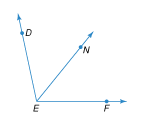
What is the length of DB?

1. Measure distance on the coordinate plane



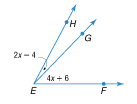
What is the length of EF?

1. Use Angle Bisectors



If  bisects ∠*DEF* and *m*∠*DEN=2x+8 and m<NEF=x+56*, find *m*∠DEN.

m<DEN= \_\_\_\_\_\_\_\_\_\_\_\_\_\_

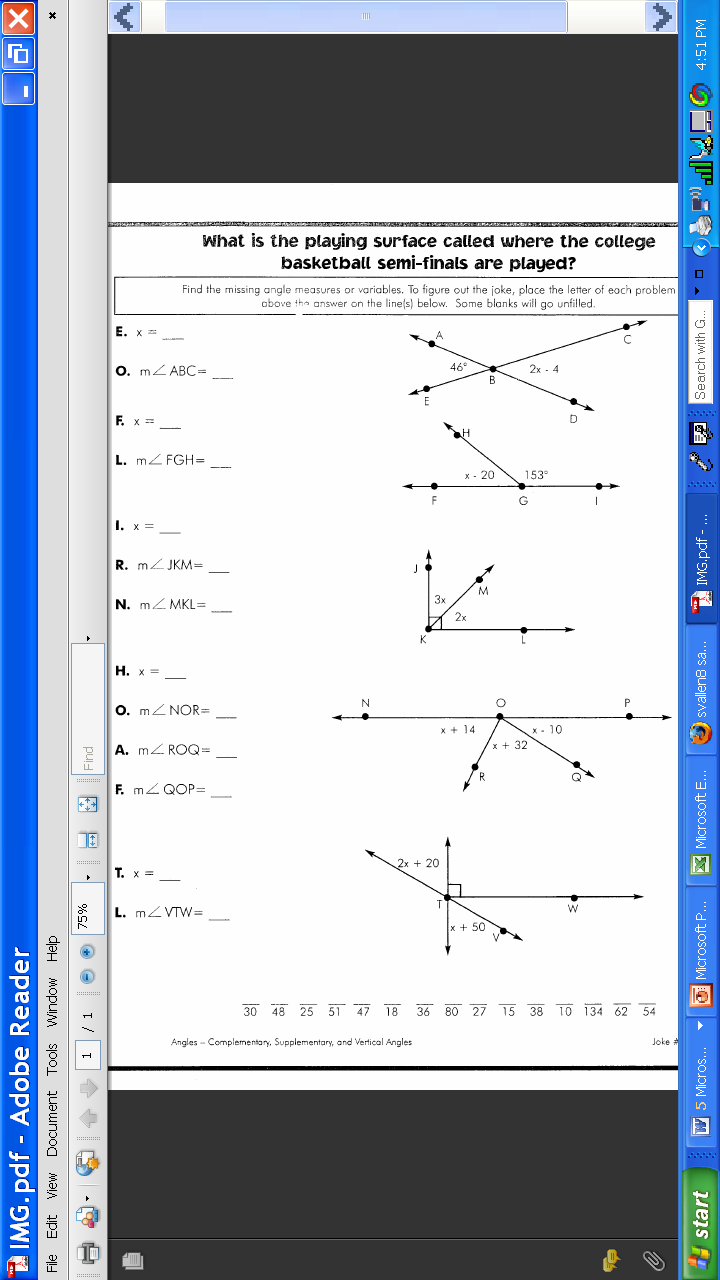


1. Use Angle Addition

Find *m*∠*HEG* and *m*∠*GEF*   
if *m*∠*HEF* = 62.

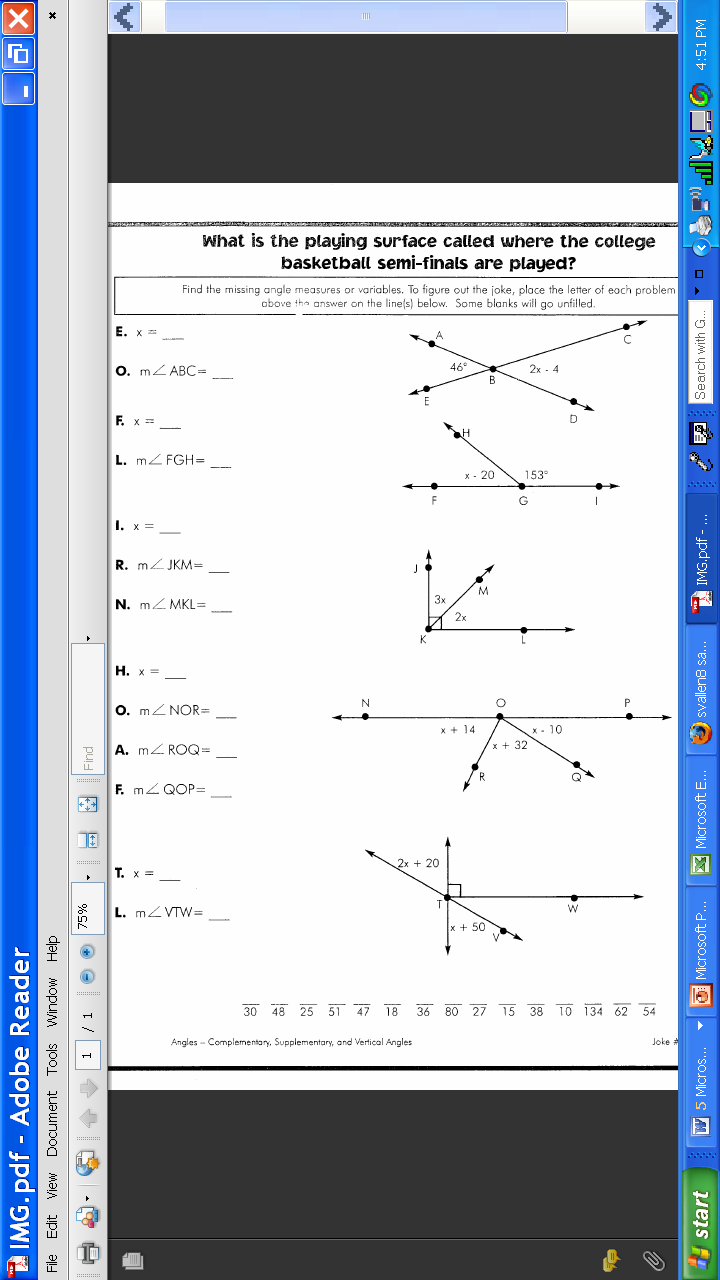
M<HEG= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m<HEF=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use vertical angles



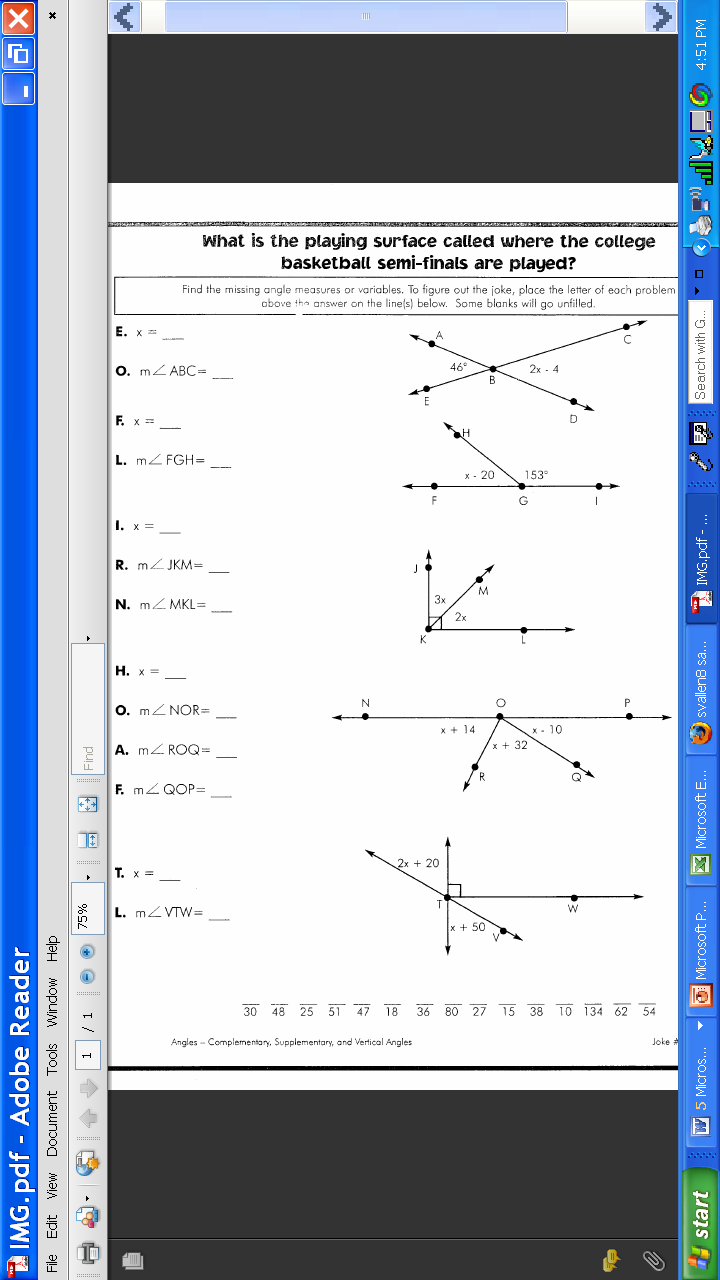
X= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m<CBD= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use supplementary angles



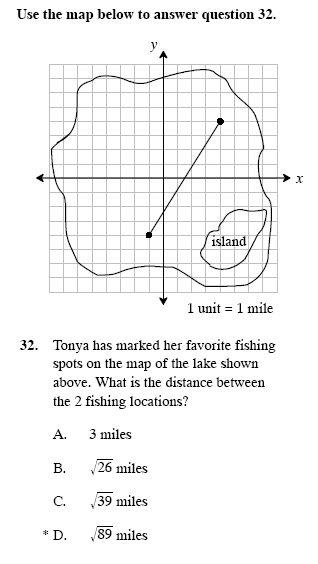
X= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m<ROQ=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use complementary angles



X= \_\_\_\_\_\_\_\_\_\_\_\_\_\_ m<MKL= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

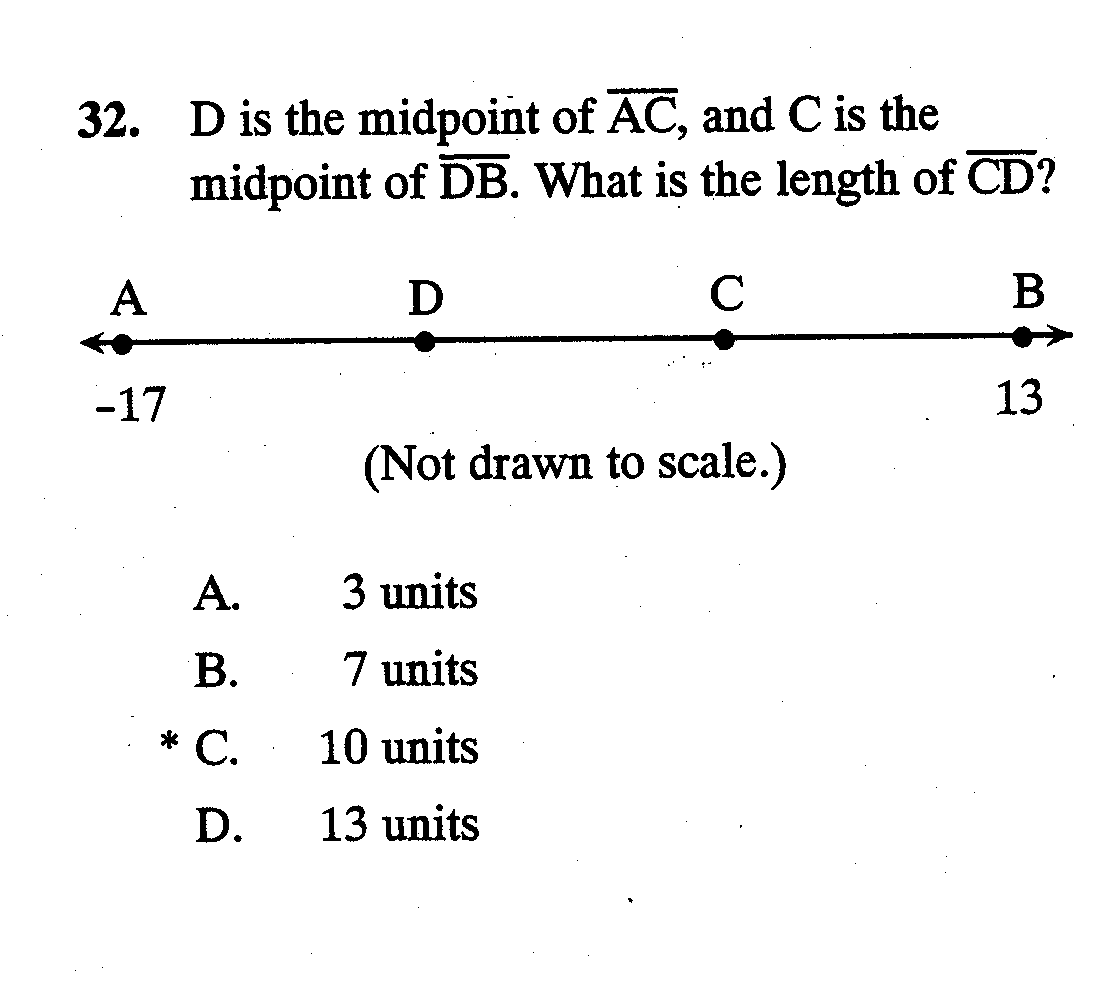
1. Find midpoint on a coordinate plane



Cody has his two favorite fishing spots marked on the map above. If he wants to drop anchor in the spot that is closest to both of his favorite spots (the middle), where should he place his boat?

1. Find midpoint on a number line

If D is the midpoint of AC and C is the midpoint of DB, what is the length of CD?



If D is the midpoint of AC and C is the midpoint of DB, what is the length of CD? \_\_\_\_\_\_

1. Practice Open Response:

The positions of two airplanes are as follows:

Airplane A: (-2, -4) Airplane B: (3,1)

1. Construct and label a coordinate system on the grid provided and plot points representing the two airplanes. Identify each airplane by letter and coordinates.
2. Find the distance between the two airplanes. Show all of your work.
3. Airplane C will take a position midway between Airplane A and Airplane B along the same path. Find the coordinates of Airplane C. Plot Airplane C on the coordinate system and identify it by letter and coordinates. Show all of your work.

